GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:1747
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National Research Development Corporation
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Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) the number of entrepreneurs/ companies which have been given licensed patents/technologies by the National Research Development Corporation (NRDC);
(b) the number of patents for innovations from different segments of society filed by NRDC;
(c) whether the NRDC along with the Department of Industrial Policy and Promotion (DIPP) has launched a series of Intellectual Property Rights (IPR) awareness and capacity building workshops in 25 universities/institutions in different States of the country;
(d) if so, the details thereof, University/ State-wise; and
(e) the other steps taken/being taken by the Government to create more awareness in IPR which helps in building sustaining competitive advantage and achieving superior performance?

Answer

MINISTER OF STATE FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES

(SHRI Y. S. CHOWDARY)

(a) National Research Development Corporation (NRDC), since its inception in 1953, has executed more than 4800 license agreements (4870 agreements up to October 2015) in various industrial sectors. NRDC was established under Section 25 (now section 8) of the Companies Act 1956. It is wholly owned by Government of India with a mandate to act as an effective link between research organizations, including academic institutions, and industries, for transfer of technologies.
During the last ten years the Corporation has signed 455 license agreements as per details given below:
1
Year 2005-06 2006-07 2007-08 2008-09 2009-10 2010-11 2011-12 2012-13 2013-14 2014-15
No. of License agreements concluded 39 44 41 36 41 40 33 66 68 47

Some of the major technologies licensed are as below:

â€¢ Super absorbent Hydrogel, a semi-synthetic super absorbent polymer for water saving and higher crop yield, developed at IARI, New Delhi.
â€¢ Extraction of Azadirachtin, a neem based bio-pesticide from Neem seeds, developed at IARI, New Delhi.
â€¢ Potassium Humate from Lignite, used as a fertilizer to obtain higher yields and better product quality, developed at Neyvelli Lignite Corporation, Neyveli.
â€¢ Low cholesterol Ghee developed at NDRI, Karnal. The process has been developed by which cholesterol content has been reduced by 80%.
â€¢ Bacillus Thuringiensis (BT) based Mosquito Larvicide formulation, a bio-control agent for mosquito, developed at Vector Control research Centre (VCRC), Pondicherry, an ICMR institution.
â€¢ Solekshaw, a batter operated rickshaw chargeable by solar power, developed at CSIR-CMERI, Durgapur.
â€¢ Test Kit for testing the microbiological quality of drinking water developed by DRDE, Gwalior, a DRDO institution.
â€¢ Various sericulture related technologies developed by Central Silk Board, Bengaluru, under the Ministry of Textiles.
â€¢ Para-Pheromone Trap, developed at Indian Institute of Horticultural Research (IIHR), Bengaluru, an ICAR institution, for management of flies in fruit crops.
â€¢ Micronutrient foliar spray formulations for different vegetable, horticulture and spice crops, developed at IIHR in association with Central Sericultural Research & Training Institute (CSRTI), Mysore, an institution under the Ministry of Textiles.

(b) NRDC has filed 694 patent applications for different segments of the society over the last 10 years. The yearly break-up is as follows:

Sr. No. Year Individual Inventors Institutes (ICAR,ICMR, CSB, DBT,etc.,) Universities TOTAL
1. 2005-06 6 57 11 74
2. 2006-07 7 60 19 86
3. 2007-08 12 53 11 76
4. 2008-09 16 50 09 75
5. 2009-10 20 52 21 93
6. 2010-11 10 66 14 90
7. 2011-12 6 39 22 67
8. 2012-13 3 20 24 47

9. 2013-14 3 22 26 51
10. 2014-15 1 4 30 35

2

(c) Department of Industrial Policy & Promotion (DIPP) and the Office of the Controller General of Patents, Designs and Trademarks (CGPDTM) have prepared a framework for generation of IP awareness in India during 2015-16 with the motto "Enlightening young minds". The objective behind implementing the activity is to focus on tapping the latent potential of creativity. The framework includes awareness programmes to be conducted in universities, R&D organizations, colleges, schools and MSMEs in association with several agencies, including NRDC.

NRDC has been organizing a number of IPR seminars in various parts of the country to spread awareness regarding Intellectual property rights on issues covering the basics of Patents, Procedures and Guidelines, Drafting, Interpretation of Specifications, Infringement, Valuation and Commercialization of Patents.

During the last 10 years, NRDC has conducted 126 IPR awareness seminars in various institutes and universities across the country and the yearly break-up is as below:

Year	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Seminars conducted	8	6	15	17	20	10	10	10	12	18

(d) The list of universities/institutes, state-wise, is as given in Annexure.

(e) The Government has initiated several steps for awareness creation on patent system and to motivate filing of domestic patent applications. The Office of CGPDTM has taken many proactive steps to increase awareness including organization of joint programmes with Indian industry, R&D institutions, Scientific organizations and Universities.

Awareness programmes are regularly conducted at Rajiv Gandhi National Institute of Intellectual Property Rights, Nagpur. Also, seminars in association with WTO are proposed to be conducted by DIPP.

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Annexure

LIST OF UNIVERSITIES/ INSTITUTES

	City	State	University/ Institute
1	Shillong	Meghalaya	North Hill University, Shillong
2	Ri-bhoi	Meghalaya	University of Science & Technology, Meghalaya
3	Shantiniketan	West Bengal	Viswa Bharti University, Shantiniketan
4	Rourkela	Odisha	National Institiute of Technology (NIT)
5	Sambalpur	Odisha	The Veera Surendra Sai University of Technology (VSSUT), Burla, Sambalpur
6	Bodhgaya	Bihar	Magadh University, Bodhgaya
7	Ranchi	Jharkhand	Central University Jharkhand, Ranchi
8	Aligarh	Uttar Pradesh	Aligarh Muslim University - AMU, Aligarh
9	Kanpur	Uttar Pradesh	Chandrasekhar Azaad University, Kanpur
10	Raipur	Chhattisgarh	Pt Ravisankar Shukla University, Raipur
11	Amritsar	Punjab	Guru Nanak Dev University, Amritsar
12	Murthal	Haryana	Deen Bandhu Chhoturam University of S&T, Murthal
13	Shimla	Himachal Pradesh	Himachal Pradesh University, Shimla
14	Kosi-Katarmal	Uttarakhand	G. B. Pant Institute of Himalayan Environment and Development - GBPIHED, Kosi Katarmal, Almora
15	Indore	Madhya Pradesh	Devi Ahilya University, Indore
16	Shrinagar	J&K	Sher-e-Kashmir University of Agricultural Science & Technology, Shrinagar
17	Aurangabad	Maharashtra	Dr BR Ambedkar Marathwada University, Aurangabad
18	Srikakulam	Andhra Pradesh	Dr Amberkar University
19	Vishakhapatnam	Andhra University	Andhra University, Vishakhapatnam
20	Bansthali	Rajasthan	Banasthali Vidyapeeth, Banasthali
21	Madurai	Tamil Nadu	Madurai Kamraj University, Madurai
22	Kasargod	Kerala	Kerala Agricultural University, Kasargod
23	Dharwad	Karnataka	UAS, Dharwad
24	Ooty	Karnataka	JSS College of Pharmacy
25	Hyderabad	Telengana	Sri Konda Laxman Telangana State Horticultural University,
26	Greater Noida	Uttar Pradesh	Gautambudha University